

WHAT IS CLAIMED IS:

- 1                    1.     A motorized wood working tool comprising:  
2                    a base provided with a metal table top having a generally planar  
3     workpiece support surface with an opening formed therein;  
4                    a motor; and  
5                    a cutting element driven by the motor and oriented to extend through  
6     the opening in the workpiece support surface of the table top,  
7                    wherein a surface layer is applied directly to the workpiece support  
8     surface of the metal table to create a low friction surface for cooperating with a  
9     workpiece placed thereon for sliding contact relative to the surface layer during  
10    cutting.
- 1                    2.     The motorized wood working tool of claim 1 wherein the tool  
2     comprises a circular table saw.
- 1                    3.     The motorized wood working tool of claim 1 wherein the tool  
2     comprises a scroll saw.
- 1                    4.     The motorized wood working tool of claim 1 wherein the tool  
2     comprises a band saw.
- 1                    5.     The motorized wood working tool of claim 1 wherein the  
2     metal table top is formed of a metal casting to which the surface layer is applied.
- 1                    6.     The motorized wood working tool of claim 5 wherein the  
2     metal casting of the metal table top comprises cast iron.
- 1                    7.     The motorized wood working tool of claim 5 wherein the  
2     metal casting of the metal table top comprises an aluminum die casting.
- 1                    8.     The motorized wood working tool of claim 1 wherein the  
2     surface layer applied to the workpiece support surface is a plastic laminate.

1                    9.     The motorized wood working tool of claim 8 wherein the  
2 plastic laminate comprises formica.

1                    10.    A table saw comprising:  
2                    a base provided with a cast metal table top and a general planar work  
3 support surface with an opening formed therethrough;  
4                    a motor; and  
5                    a circular saw blade operatively driven by the motor in a rotary  
6 fashion, the saw blade extending through the opening formed in the generally planar  
7 work support surface to cut a workpiece placed thereon and moved relative to the  
8 circular saw blade,  
9                    wherein a plastic laminate is applied directly to the workpiece support  
10 surface of the cast metal table top to create a low friction surface for cooperating  
11 with a workpiece placed thereon for sliding contact relative to the plastic laminate  
12 during cutting.

1                    11.    The table saw of claim 10 wherein the cast metal table top  
2 comprises a cast iron table top to which the plastic laminate is applied.

1                    12.    The table saw of claim 10 wherein the plastic laminate  
2 comprises formica.

1                    13.    A scroll saw comprising:  
2                    a base provided with a cast metal table top having a generally planar  
3 work support surface with an opening formed therethrough;  
4                    a motor; and  
5                    a pair of spaced apart blade holders for supporting a blade  
6 therebetween, operatively driven by the motor in a reciprocal manner or wherein a  
7 blade spanning between the blade holders passes through the opening in the table  
8 top;  
9                    wherein a plastic laminate is applied directly to the workpiece support  
10 surface of the cast metal table top to create a low friction surface for cooperating

11 with a workpiece placed thereon for sliding contact relative to the plastic laminate  
12 during cutting.

1 14. The scroll saw of claim 13 wherein the cast metal table top  
2 comprises a die cast aluminum table top to which the plastic laminate is applied.

1 15. The scroll saw of claim 13 wherein the plastic laminate  
2 comprises formica.

1 16. A band saw comprising;  
2 a base provided with a metal tabletop having a generally planer  
3 workpiece support surface with an opening formed therein;  
4 a motor;  
5 a pair of wheels lying in a common plane, one positioned above and  
6 one positioned below the table top wherein one of the wheels is operatively driven  
7 by the motor; and  
8 an endless loop cutting blade entrained about the wheels and passing  
9 through the opening in the table top;  
10 wherein a plastic laminate is applied directly to the workpiece support  
11 surface of the cast metal table top to create a low friction surface for cooperating  
12 with a workpiece placed thereon for sliding contact relative to the plastic laminate  
13 during cutting.

1 17. The band saw of claim 16 wherein the cast metal table top  
2 comprises a die cast aluminum table top to which the plastic laminate is applied.

1 18. The band saw of claim 16 wherein the plastic laminate  
2 comprises formica.